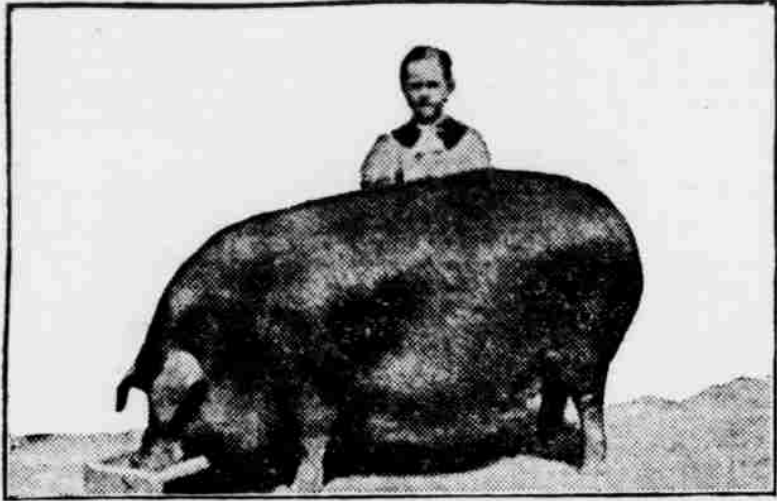


## PROGRESS MADE IN AGRICULTURAL CLUBS



Jack Starr of Midland, Tex., and His Registered Duroc-Jersey Pig—Age of Pig Eleven Months, Weight 450 Pounds.

(By B. LARA.)

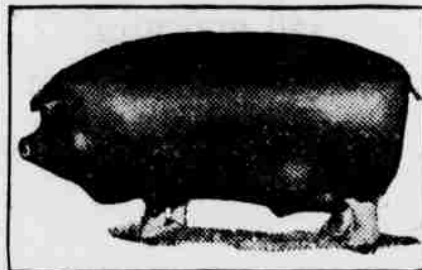
There has been an increase of more than 41,100 in the membership of various boys' and girls' agricultural clubs conducted by the state agricultural colleges and the department of agriculture.

Two years ago there were 210,077 members of the various agricultural club projects in the 33 states covered by this work. One year ago the membership had grown to 151,194, exclusive of the enrollments in the mother-daughter canning clubs.

This work is being carried on co-operatively in 26 of the 33 states in the northern, central and western territory by the department of agriculture and the extension departments of the state colleges of agriculture. In practically every state short courses for boys and girls and special demonstration schools have been held at the colleges and in the field. During the past year, 1,557 club members attended the midwinter courses at the colleges, 968 of these having their expenses paid by local contributions as a recognition of their achievements in club work. Of the 38 club members who, as champions in their states, districts or counties two years ago, have become recognized as National All-Star club members, 31 are now attending high schools, agricultural or other colleges, three of the remaining seven have already graduated from high school, and one will go to an agricultural college this next fall.

Experience has shown that the work in the boys' and girls' clubs can be carried on with even greater success without the aid of large cash prizes

and awards. The net profits from the work itself have been found to be the best possible incentive. The members have their attention directed to problems of farm and home management, crop rotation, soil building, etc., and in practically every state in which the work is being carried on a large number of club members are now working out three and four-year rotations of crops. The profits which they derive from club work they are spending on getting an education, or for purchase of purebred stock and labor-saving



Prize Winner Raised by Oklahoma Boy.

machinery. Many are even buying land and thus acquiring an invaluable sense of dignity and independence.

In the canning work, 938 public demonstrations were held during the year, with a total attendance of 118,367. These demonstrations were held primarily for the club members, but parents were always invited and, as a matter of fact, more than half of those present were grown men and women. One of the great advantages of this club work, indeed, is the fact that it serves to stimulate the parents as well as the children.

## CONSERVE ALL FARM MANURE

Necessary for Farmer to Save All Fertilizers Produced—Sheltered Pit Should Be Made.

During the present potash famine it is necessary for every farmer to conserve carefully all the farm manures produced. It is a well-known fact that farm manures contain a large proportion of the potash that was originally in the plants consumed by the animals. The amount of potash in the manure varies directly with the amount in the plants. Those animals fond of plants running high in potash produce a manure running high in this element. Goat manure is a striking illustration. Animals fond of plants running high in ammonia produce a manure high in ammonia. Horse and cattle manure are in this class. Poultry manure runs high in ammonia and phosphoric acid.

Dean P. H. Rolfs of the University of Florida college of agriculture calls attention to the fact that the ammonia, potash and phosphoric acid content of the manures of these farm animals is in the best condition for use as a fertilizer. If the manures are not protected against leaching rains, the soluble fertilizers or the fertilizing

elements available to plants will be washed out and the manures will lose a large amount of their value.

A manure pit, sheltered against rain, should be provided on every farm. There is no better fertilizer and at the same time there is no more profitable form of fertilizer to employ than farm manures.

## HOGS ARE MOST PROFITABLE

Pork Can Be Raised at Less Cost Than Cotton—Animals Will Gather Their Own Feed.

Hogs are worth about ten cents a pound on the market—almost as much as cotton. You can raise twice as many pounds of hogs per acre as you can of cotton and at less cost. Take the hog end of the proposition.

Plant peas, peanuts, clover, grasses, chufas, sweet potatoes, sorghum and the like for hogs. They will gather their own crop without waste and every pound they gather is at once converted into a finished product ready for the market at a good profit.

## Wheat Bran for Fowls.

Give the young growing fowls all the pure wheat bran they will consume.

## EXPENSE OF FEEDING MULES

Result of Test Made at Hays Substation—Animals Made Increase of 109 Pounds Per Head.

During the past winter a feeding test was conducted at the Hays substation of Kansas, in which weanling mules were fed for a period of 130 days for an average of \$8.16 per head. The total cost of maintaining the 31 mules used in the experiment was \$252.06, including labor. The average initial weight was 545 pounds, and during the experiment there was an increase of 109 pounds per head.

The mules were fed 6,510 pounds of sudan hay, valued at \$4 per ton; 3,380 pounds of cane hay at \$2.50 per ton; 10,115 pounds of alfalfa hay at \$6 per ton; 12,660 pounds of kafir tailings at \$2 per ton; 6,860 pounds of sorghum fodder at \$1.50 per ton; 201 pounds of oats at 45 cents per bushel; 10,664 pounds of corn-and-cob meal at 93 cents per cwt.; 1,000 pounds of oil-meal at \$1.54 per cwt.; 50 pounds of salt at 75 cents per cwt.; and were given alfalfa pasture 1½ months at 35

cents per head per month. In addition to these costs there was a charge of \$8 for veterinary expenses, 146 hours of man labor at 21 cents per hour, 150 hours of horse labor at 10 cents per hour and 100 hours' use of equipment at 3½ cents per hour.

## KEEP ALL FARM TOOLS SHARP

Tends to Conserve Horse Feed and Strength—Saves Time, Temper and Human Vitality.

By keeping the farm tools sharp you save horse feed and horse strength. It does better work, more of it in one day and pays a better profit. It saves time, temper and human vitality. A good emery stone will pay for itself in one season—get you one and keep the tools sharp.—Clemson College Bulletin.

## Make the Home Attractive.

No one can afford to have a doorway devoid of trees or shrubbery. If you sell, your place will bring less for the lack of ornamentation.

## FOR IDEAL CLUB SANDWICH

Hostess Will Find Luncheon Delicacy Easy to Prepare If She Will Follow These Instructions.

The club sandwich forms an ideal quick luncheon, with a cup of chocolate or tea. It is a delicious after-theater tidbit. Moreover, it is easy to make in the dining room, with the aid of a chafing dish and electric toaster. It has so many varieties that it can be served frequently without becoming monotonous.

To begin with, its foundation is a slice of hot buttered toast at the bottom and another at the top. Between these two slices there must be lettuce and mayonnaise and boiled or fried bacon. Besides these ingredients many other things can be used.

Perhaps what one may call the conventional club sandwich contains on the foundation slice of toast a crisp piece of lettuce, a spoonful of thick mayonnaise, a slice of chicken breast, two crisp slices of bacon, a slice of tomato, more lettuce and mayonnaise, and the cover of toast.

Instead of the tomato a slice of tomato jelly may be used, or some shreds of sweet green or red pepper, or three slices of cucumber, or sliced sweet gherkins or sliced stuffed olives may be used.

Or else over the toast may be spread a mixture of chopped celery and mayonnaise or chopped sweet pepper and mayonnaise or chopped olives and mayonnaise.

Instead of the chicken one may use sliced tongue or sliced veal or sliced lamb.

A thin sliver of broiled boiled ham may be substituted for the bacon.

Fish pastes may also be used instead of the chicken, with or without the bacon. Sardines, boned and skinned and rubbed to a paste with mayonnaise, are good.

The lower slice of toast may be spread with a thin coating of pate de foie gras, then the chicken, bacon and mayonnaise can be added, then lettuce, and the top slice of toast—with or without the slice of tomato.

## HAVE SYSTEM IN KITCHEN

Writer Tells of Scheme by Which She Has Lessened Work—Cleaning the Oven Shelves.

I have a great deal of baking to do on cooking day, but find that much time can be saved by making my bread first. While the bread is baking I make pie crust. I then set the pie crust aside and make my cake, and then finish the pies. While the cake and pies are baking I make my doughnuts. Consequently, while the doughnuts are frying my pies and cakes are baking, with the result that all my day's cooking is finished at one time.

Oven shelves should be regularly removed from the oven or gas stove and scraped with an old blunt knife. Rub them with paper and wash thoroughly with fairly hot, strong soda water before they are put back into the oven or stove to dry.—Delineator.

## Candles in Favor.

No matter how convenient the electric lamp, in one of its many attractive forms, may be, there are many of us who find the candle of our grandmother's day too fascinating to discard. What is it that we love about the candle? Is it the fascination of antiquity? Do we love to dwell on the thought that candles have lighted the revelries of Versailles, the religious ceremonies of medieval churches, the early White House balls, the New England homestead and the southern plantation in all their comfortable homeliness? Or is it that candles cast a more bewitching play of light and shadow, a most becoming color, over one's face, that we cling to them for dinner lights and like to have them at our bedside?

Let who will decide the question. In the meantime, let us continue to indulge our liking for candles and candlesticks.

## To Eliminate the Puff.

It is often difficult to iron bias collars, centerpieces having worked edges which "puff" in the middle, etc. After washing, press the edges to bring out the design, then lay the material on a clean smooth table covered with oil-cloth or zinc, wet drawn or puffed part thoroughly and pat to make it stick to the cover of the table. In this way the fullness is worked out which is seldom done when done with the iron. Place a few weights on the edges to keep it firm. When the material is dry it will be perfectly smooth.

## Brightening Tan Shoes.

When tan boots or shoes become darkened, wash them well in warm water and soft soap, using a stiff nail brush. This will remove all the old and dirty polish. When dried and polished afresh, they should look like new.

## Colored Frostings.

Colored frostings can work wonders with small cakes. These can be made in small tins or in a big sheet cut into squares, diamonds and other fancy shapes.

## To Locate a Storm.

As soon as you locate a flash of lightning, count the seconds before you hear the thunder clap and in this manner you can easily determine how far away the storm is. Since light travels 186,000 miles a second, we may for all practical purposes regard ourselves as seeing the lightning the instant it flashes. But sound travels only 1,087 feet a second. Multiply 1,087 by the number of seconds during the interval between the flash and the thunder and the result is the distance between you and the storm. As a rule, from 12 to 15 miles is the greatest distance thunder can be heard.

## Last of Floating Theaters.

For a generation the theater Dixie and its barge, a cruising theater, brightened the corners in small river towns along the Missouri and the Mississippi. But theaters on flatboats don't pay any more. Recently the amusement flotilla was sold under the hammer by William A. Shelton, United States marshal at Osage City, Mo. It went to a Des Moines (Ia.) man for \$2,400. The claims against it, brought under the admiralty laws, totaled \$6,000.—Kansas City Star.

Two millions of women work on United States farms.

## Don't Poison Baby.

**F**ORTY YEARS AGO almost every mother thought her child must have PAREGORIC or laudanum to make it sleep. These drugs will produce sleep, and a FEW DROPS TOO MANY will produce the SLEEP FROM WHICH THERE IS NO WAKING. Many are the children who have been killed or whose health has been ruined for life by paregoric, laudanum and morphine, each of which is a narcotic product of opium. Druggists are prohibited from selling either of the narcotics named to children at all, or to anybody without labeling them "poison." The definition of "narcotic" is: "A medicine which relieves pain and produces sleep, but which in poison doses produces stupor, coma, convulsions and death." The taste and smell of medicines containing opium are disguised, and sold under the names of "Drops," "Cordials," "Soothing Syrups," etc. You should not permit any medicine to be given to your children without you or your physician know of what it is composed. **CASTORIA DOES NOT CONTAIN NARCOTICS, if it bears the signature of Chas. H. Fletcher.** Genuine Castoria always bears the signature of *Chas. H. Fletcher*

## Utterly Squelched.

They stood at the pyramids. "Forty centuries look down upon you," announced the guide. "Let 'em look," responded Pa Wombat. "That seems mild after running the gamut of Europe's head waiters."

## RELIABLE REMEDY RESTORES KIDNEYS

For many years druggists have watched with much interest the remarkable record maintained by Dr. Kilmer's Swamp-Root, the great kidney, liver and bladder remedy.

It is a physician's prescription. Swamp-Root is a strengthening medicine. Dr. Kilmer used it for years in his private practice. It helps the kidneys, liver and bladder do the work nature intended they should do.

Swamp-Root has stood the test of years. It is sold by all druggists on its merit and it will help you. No other remedy can successfully take its place.

Be sure to get Swamp-Root and start treatment at once.

However, if you wish first to test this great preparation send ten cents to Dr. Kilmer & Co., Binghamton, N. Y., for a sample bottle. When writing be sure and mention this paper.—Adv.

## IS LONGEST IN THE WORLD

Concrete Highway Trestle in the Sacramento Valley Is of Record Length.

One of the most absorbing examples of concrete construction so far executed in America is represented by a causeway that spans the Yolo bypass in the Sacramento valley. The Popular Mechanics Magazine describes the construction of this trestle. It is thought to be the longest of its kind in the world and has lately been completed under the supervision of the California state highway commission. Although 3,000 miles from end to end, and a striking specimen of good, accurate workmanship, the elevated roadway was built in a thoroughly substantial manner for less than \$385,000. Certain phases of the construction were accomplished by original methods which have attracted the attention of engineers.

The unit system was followed in erecting the trestle which is 20 feet in height and provides a roadway 21 feet wide. It is supported on re-enforced concrete piles, each weighing from three to five tons, that were driven into place. The floor consists of precast slabs. Four of these were placed side by side to span the 20-foot gaps between the bents, the full width of the structure. The parts were so carefully designed and put together that the completed trestle is a monolithic structure.

## An All-Seeing Eye.

A self-operating eye, which when attached to a typewriter enables that machine to copy any printed matter properly set before it, is the invention of a Brooklyn electrical engineer. The eye consists of a large sphere having a lens on its front side and a field corresponding to a retina on which are situated a large number of selenium cells connected with a source of electric current. The eye is mounted on and moves with the carriage of the typewriter, and is so focused that the image of but one letter is reflected in it at a time. Popular Mechanics Magazine tells how the machine operates.

## Prescription for Poverty.

"Social insurance" may be a cure of poverty, but the real remedy is a steady job and thrift.

There would be no objection to boys being boys if they would only be men after they get to be men.

## HAVE TWO QUEER SCARFPINS

How the Chinese Employ Bright Plumage of Birds in Works of Art.

Governor Brumbaugh and Col. Louis J. Kolb are wearing the most unusual scarfpins in Pennsylvania.

I have not seen anything quite so thoroughly oriental since I was in China, says a Philadelphia Ledger writer. That is where the piece de resistance of these two pins came from.

You have doubtless seen beautifully decorated enamel watch cases and whatnots. Well, the Chinese artists do their coloring and decorating with the bright feathers of birds. I saw them at that sort of work in Canton—pasting the tiny pieces upon metal and glass and ivory.

Colonel Kolb recently bought some very handsome pieces from an American art collector and he had two scarfpins mounted on gold, the oriental work in both is identical, and consists of two brilliantly-colored birds upon a field as big as a dime, and all made from the feathers of real hummingbirds.

I was told in China by the men making similar articles that if protected the color in a bird's feather would not fade in a thousand years.

Colonel Kolb gave one of his pins to the governor.

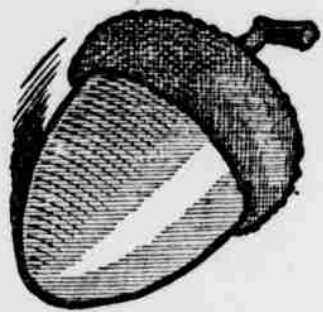
## Father Is Queer.

"Do you think your father would consent to our marriage?" "He might. Father's so eccentric."—Buffalo Express.

## Literal Description.

"Were you interested in that discussion of tramp life?" "No; it was a bum argument."

St. Paul and Minneapolis last year ate 12,000,000 frog legs.



As the acorn grows to be the mighty oak, so children when rightly nourished, grow to be sturdy men and women.

Good flavor and the essential nourishing elements for mental and physical development of children are found in the famous food—

## Grape-Nuts

Made of whole wheat and malted barley, this pure food supplies all the nutriment of the grains in a most easily digested form.

It does the heart good to see little folks enjoy Grape-Nuts and cream.

"There's a Reason"

Sold by Grocers.